

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/530,171  
Source: PT/10  
Date Processed by STIC: 4/12/05

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PCT

## RAW SEQUENCE LISTING

DATE: 04/12/2005

PATENT APPLICATION: US/10/530,171

TIME: 08:50:28

Input Set : A:\SequenceList US 235054.st25.txt

Output Set: N:\CRF4\04122005\J530171.raw

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3 <110> APPLICANT: HIRAKAWA, Youko
4     NIKI, Hisae
5     OIKE, Shinsuke
6     TAGAWA, Toshiaki
7     HOSOKAWA, Saiko
8     YOSHIYAMA, Yoshiko
10 <120> TITLE OF INVENTION: Antibody recognizing antigen
12 <130> FILE REFERENCE: 235054
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/530,171
C--> 14 <141> CURRENT FILING DATE: 2005-04-04
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/012732
15 <151> PRIOR FILING DATE: 2003-10-03
17 <150> PRIOR APPLICATION NUMBER: JP 2002-291953
18 <151> PRIOR FILING DATE: 2002-10-04
20 <160> NUMBER OF SEQ ID NOS: 22
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 9
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <223> OTHER INFORMATION:
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34 1 5
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 12
38 <212> TYPE: PRT
39 <213> ORGANISM: Homo sapiens
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43 1 5 10
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 9
47 <212> TYPE: PRT
48 <213> ORGANISM: Homo sapiens
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52 1 5
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 17
56 <212> TYPE: PRT
57 <213> ORGANISM: Homo sapiens

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59 <400> SEQUENCE: 4
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62 Ala
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66 <211> LENGTH: 7
67 <212> TYPE: PRT
68 <213> ORGANISM: Homo sapiens
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72 1 5
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 9
76 <212> TYPE: PRT
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79 <400> SEQUENCE: 6
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81 1 5
83 <210> SEQ ID NO: 7
84 <211> LENGTH: 119
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 7
89 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
90 1 5 10 15
91 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Cys
92 20 25 30
93 Gly Phe Tyr Trp Asn Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
94 35 40 45
95 Trp Ile Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
96 50 55 60
97 Leu Lys Ser Arg Val Thr Ile Ser Leu Asp Thr Ser Lys Ser Gln Phe
98 65 70 75 80
99 Ser Leu Lys Leu Ser Ser Leu Thr Ala Ala Asp Thr Ala Val Tyr Tyr
100 85 90 95
101 Cys Ala Arg Ser Thr Arg Leu Arg Gly Ala Asp Tyr Trp Gly Gln Gly
102 100 105 110
103 Thr Met Val Thr Val Ser Ser
104 115
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 114
108 <212> TYPE: PRT
109 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 8
112 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
113 1 5 10 15
114 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Asn
115 20 25 30
116 Ser Asn Asn Lys Lys Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln

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117          35          40          45
118 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
119          50          55          60
120 Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
121 65          70          75          80
122 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
123          85          90          95
124 Tyr Tyr Ser Thr Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
125          100          105          110
126 Lys Arg
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 8
130 <212> TYPE: PRT
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 9
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136 1          5
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140 <211> LENGTH: 16
141 <212> TYPE: PRT
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 10
146 Val Ser His Leu Leu Gly Ile Asn Val Thr Asp Phe Thr Arg Gly Ile
147 1          5          10          15
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151 <211> LENGTH: 12
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 11
157 Glu Gln Ala Asp Phe Ala Ile Glu Ala Leu Ala Lys
158 1          5          10
161 <210> SEQ ID NO: 12
162 <211> LENGTH: 17
163 <212> TYPE: PRT
164 <213> ORGANISM: Homo Sapiens
166 <400> SEQUENCE: 12
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169 1          5          10          15
172 Thr
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177 <211> LENGTH: 15
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo Sapiens
181 <400> SEQUENCE: 13
183 Thr Glu Leu Glu Asp Thr Leu Asp Ser Thr Ala Ala Gln Gln Glu
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187 <210> SEQ ID NO: 14
188 <211> LENGTH: 12
189 <212> TYPE: PRT

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190 <213> ORGANISM: Homo Sapiens
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199 <211> LENGTH: 16
200 <212> TYPE: PRT
201 <213> ORGANISM: Homo Sapiens
203 <400> SEQUENCE: 15
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206 1          5          10          15
209 <210> SEQ ID NO: 16
210 <211> LENGTH: 17
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo Sapiens
214 <400> SEQUENCE: 16
216 Arg Arg Leu Glu Ala Arg Ile Ala Gln Leu Glu Glu Glu Leu Glu Glu
217 1          5          10          15
220 Glu
224 <210> SEQ ID NO: 17
225 <211> LENGTH: 1960
226 <212> TYPE: PRT
227 <213> ORGANISM: Homo Sapiens
229 <400> SEQUENCE: 17
231 Met Ala Gln Gln Ala Ala Asp Lys Tyr Leu Tyr Val Asp Lys Asn Phe
232 1          5          10          15
235 Ile Asn Asn Pro Leu Ala Gln Ala Asp Trp Ala Ala Lys Lys Leu Val
236          20          25          30
239 Trp Val Pro Ser Asp Lys Ser Gly Phe Glu Pro Ala Ser Leu Lys Glu
240          35          40          45
243 Glu Val Gly Glu Glu Ala Ile Val Glu Leu Val Glu Asn Gly Lys Lys
244          50          55          60
247 Val Lys Val Asn Lys Asp Asp Ile Gln Lys Met Asn Pro Pro Lys Phe
248 65          70          75          80
251 Ser Lys Val Glu Asp Met Ala Glu Leu Thr Cys Leu Asn Glu Ala Ser
252          85          90          95
255 Val Leu His Asn Leu Lys Glu Arg Tyr Tyr Ser Gly Leu Ile Tyr Thr
256          100          105          110
259 Tyr Ser Gly Leu Phe Cys Val Val Ile Asn Pro Tyr Lys Asn Leu Pro
260          115          120          125
263 Ile Tyr Ser Glu Glu Ile Val Glu Met Tyr Lys Gly Lys Lys Arg His
264          130          135          140
267 Glu Met Pro Pro His Ile Tyr Ala Ile Thr Asp Thr Ala Tyr Arg Ser
268 145          150          155          160
271 Met Met Gln Asp Arg Glu Asp Gln Ser Ile Leu Cys Thr Gly Glu Ser
272          165          170          175
275 Gly Ala Gly Lys Thr Glu Asn Thr Lys Lys Val Ile Gln Tyr Leu Ala
276          180          185          190
279 Tyr Val Ala Ser Ser His Lys Ser Lys Lys Asp Gln Gly Glu Leu Glu

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280          195          200          205
283 Arg Gln Leu Leu Gln Ala Asn Pro Ile Leu Glu Ala Phe Gly Asn Ala
284          210          215          220
287 Lys Thr Val Lys Asn Asp Asn Ser Ser Arg Phe Gly Lys Phe Ile Arg
288 225          230          235          240
291 Ile Asn Phe Asp Val Asn Gly Tyr Ile Val Gly Ala Asn Ile Glu Thr
292          245          250          255
295 Tyr Leu Leu Glu Lys Ser Arg Ala Ile Arg Gln Ala Lys Glu Glu Arg
296          260          265          270
299 Thr Phe His Ile Phe Tyr Tyr Leu Leu Ser Gly Ala Gly Glu His Leu
300          275          280          285
303 Lys Thr Asp Leu Leu Leu Glu Pro Tyr Asn Lys Tyr Arg Phe Leu Ser
304          290          295          300
307 Asn Gly His Val Thr Ile Pro Gly Gln Gln Asp Lys Asp Met Phe Gln
308 305          310          315          320
311 Glu Thr Met Glu Ala Met Arg Ile Met Gly Ile Pro Glu Glu Glu Gln
312          325          330          335
315 Met Gly Leu Leu Arg Val Ile Ser Gly Val Leu Gln Leu Gly Asn Ile
316          340          345          350
319 Val Phe Lys Lys Glu Arg Asn Thr Asp Gln Ala Ser Met Pro Asp Asn
320          355          360          365
323 Thr Ala Ala Gln Lys Val Ser His Leu Leu Gly Ile Asn Val Thr Asp
324          370          375          380
327 Phe Thr Arg Gly Ile Leu Thr Pro Arg Ile Lys Val Gly Arg Asp Tyr
328 385          390          395          400
331 Val Gln Lys Ala Gln Thr Lys Glu Gln Ala Asp Phe Ala Ile Glu Ala
332          405          410          415
335 Leu Ala Lys Ala Thr Tyr Glu Arg Met Phe Arg Trp Leu Val Leu Arg
336          420          425          430
339 Ile Asn Lys Ala Leu Asp Lys Thr Lys Arg Gln Gly Ala Ser Phe Ile
340          435          440          445
343 Gly Ile Leu Asp Ile Ala Gly Phe Glu Ile Phe Asp Leu Asn Ser Phe
344          450          455          460
347 Glu Gln Leu Cys Ile Asn Tyr Thr Asn Glu Lys Leu Gln Gln Leu Phe
348 465          470          475          480
351 Asn His Thr Met Phe Ile Leu Glu Gln Glu Glu Tyr Gln Arg Glu Gly
352          485          490          495
355 Ile Glu Trp Asn Phe Ile Asp Phe Gly Leu Asp Leu Gln Pro Cys Ile
356          500          505          510
359 Asp Leu Ile Glu Lys Pro Ala Gly Pro Pro Gly Ile Leu Ala Leu Leu
360          515          520          525
363 Asp Glu Glu Cys Trp Phe Pro Lys Ala Thr Asp Lys Ser Phe Val Glu
364          530          535          540
367 Lys Val Met Gln Glu Gln Gly Thr His Pro Lys Phe Gln Lys Pro Lys
368 545          550          555          560
371 Gln Leu Lys Asp Lys Ala Asp Phe Cys Ile Ile His Tyr Ala Gly Lys
372          565          570          575
375 Val Asp Tyr Lys Ala Asp Glu Trp Leu Met Lys Asn Met Asp Pro Leu
376          580          585          590

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VERIFICATION SUMMARY

DATE: 04/12/2005

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Input Set : A:\SequenceList US 235054.st25.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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